

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(PURSUANT TO NAC 445A.236)

PERMIT NV0021091 RENEWAL

Permittee Name: Colorite WaterWorks
909 East Glendale Avenue
Sparks, Nevada 89431
775.359.3100

Permit Number: NV0021091 - Renewal

Location: 909 E. Glendale Avenue
Sparks, Washoe County, Nevada
NE¼ of the SE¼ Section 9, Township 19N. Range 20E., M.D.B. & M.

Latitude: 39° 31' 42" N.
Longitude: 119° 43' 23" W.

General Description of Facility and Discharge:

- Colorite WaterWorks (Colorite) manufactures polyvinylchloride (PVC) resins and extrudes PVC garden hose.
- Extrusion of finished product requires a chilled water cooling process to cure.
- Cooling water is supplied to the process from three (3) water supply wells, owned and operated by Colorite, located near the production plant.
- Cooling water is discharged to the City of Sparks storm drain system, which discharges to the People's Ditch and ultimately the Truckee River.
- Simon Hydro-Search, Inc. (November 1991) and Environmental Management Associates (EMA, August 1992) conducted a regional groundwater study(ies) that identified low concentrations of trichloroethylene (TCE), tetrachloroethylene (PCE), 1,1,2,2-Tetrachloro-1,2-difluoroethane (Freon 112), methyl tert butyl ether (MTBE), and cis-1,2 Dichloroethane (1,2-DCA) in the aquifer used by Colorite.
- TCE is the primary constituent likely to be identified in process water due to aquifer characteristics; however, routine analytical testing has indicated an absence of quantifiable TCE concentrations.
- Facility effluent has been routinely monitored over the past five (5) years for flow, TCE, and nitrate as nitrogen (-N) constituents.
- Discharge characteristics have been in compliance with existing permitted specifications.
- The permit renewal process required additional effluent testing for inorganic and volatile organic compounds.
- The supplemental analytical profile indicates the absence of elevated concentrations of analyte compounds. Concentrations quantified are attributed to background groundwater characteristics.
- Constituent concentrations in the Colorite discharge have been incorporated into the Total Maximum Daily Load (TMDL) thresholds established for the Truckee River as a background source (approved by EPA in April 1994).

Receiving Water Characteristics:

- The effluent from this plant is ultimately discharged to the Truckee River via the City of Sparks stormwater drain system and the People's Ditch.

Flow:

- The application specifies an annual average discharge flow of 0.180 million gallons per day (mgd).

Proposed Effluent Limitations: The discharge shall be limited and monitored by the Permittee as specified below.

EFFLUENT MONITORING

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	<u>30 - Day Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow (mgd)	0.180	0.250	Continuous ¹	Hour Meter
Trichloroethylene (TCE, mg/L) ²	0.005	0.005	Quarterly ³	Discrete

mgd: Million gallons per day
mg/L: milligrams per liter

- ¹ Flow measurements shall be estimated and derived from influent pump hour meters timing regularly calibrated pump cycles. Hour meter readings shall be recorded weekly.
- ² TCE concentrations shall be quantified using EPA Method 624 or equivalent.
- ³ Based on TCE concentration data is submitted and compiled on a quarterly basis for a period of one year, the Division reserves the option to increase, decrease, or eliminate the sampling frequency and/or the limitation condition.

- The flow limitation is based on the application Environmental Protection Agency (EPA) Form 2C, II.B.
- The monitoring requirement to 'monitor and report' nitrate as nitrogen concentrations has been eliminated because data submitted during the past 5-year period and the supplemental analytical profile performed for the permit renewal process consistently indicates an absence of nitrogen as nitrate and/or nitrogen compounds, in general.

Procedures for Public Comment: Notice of the Division's intent to issue a permit authorizing Colorite to discharge to surface waters of the State of Nevada, subject to the terms and conditions contained within the permit, is being sent to the Reno Gazette Journal for publication. Anyone wishing to comment on the proposed permit can do so in writing until July 15, 2001, which is a period of at least 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person, or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings

must be conducted in accordance with NAC 445A.238. The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Schedule of Compliance and Special Conditions: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance. The Permittee shall implement and/or execute the following scheduled compliance requirements:

- a. Upon the effective date of this permit, the Permittee shall achieve compliance with the effluent.
- b. Within 90 days of permit issuance, the Permittee shall submit an Operations and Maintenance Manual (O&M) or an updated O&M Manual to the Division for review and approval. The O&M Manual shall contain a site map, a process flow diagram, and an illustration of the relative locations of each monitoring location with respect to pertinent facility structures and boundaries.
- c. Within 14 days of each respective compliance deadline, The Permittee shall submit compliance reports confirming compliance or noncompliance with permitted and scheduled dates of compliance.
- d. There are no other special conditions.

Rationale for Permit Requirements: Monitoring is required to ensure that unauthorized discharges have not occurred and to prevent the degradation of water quality in the Truckee River.

Proposed Determination: The Division has made the tentative determination to reissue the proposed permit for a period of five (5) years.

Prepared by: Tamara Niles
June 2001
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